6. Create a package CIE which has two classes - Personal and Internals. The class Personal has members like usn, name, sem. The class Internals has an array that stores the internal marks scored in five courses of the current semester of the student. Create another package SEE which has the class External which is a derived class of Personal. This class has an array that stores the SEE marks scored in five courses of the current semester of the student. Import the two packages in a file that declares the final marks of n students in all five courses.

```
Internals.java
                                     +
File
      Edit
             View
package cie;
import java.util.Scanner;
public class Internals
{
        Scanner sc = new Scanner(System.in);
        public int markarray[] = new int[5];
        public void getd()
                System.out.print("Enter Internal Marks out of 50 : ");
                for(int i=0;i<5;i++)
                System.out.print("Enter Marks for subject "+(i+1)+" : ");
                markarray[i] = sc.nextInt();
                System.out.print("\n");
                }
        }
        public void disp()
                System.out.print("Internal Marks out of 50 : ");
                for(int i=0;i<5;i++)
                System.out.println("Marks for subject "+(i+1)+" : " +markarray[i]);
                System.out.print("\n");
        }
}
```

```
Student.java
                                     +
File
      Edit
             View
package cie;
import java.util.Scanner;
public class Student
        String usn;
        String name;
        int sem;
        public int finals[]= new int[5];
        public void getd()
                Scanner sc = new Scanner (System.in);
                System.out.print("Enter USN:");
                usn = sc.next();
                System.out.print("Enter Name:");
                name = sc.next();
                System.out.print("Enter Sem:");
                sem = sc.nextInt();
        }
        public void disp()
                System.out.println("USN:"+usn);
                System.out.println("Name:"+name);
                System.out.println("Sem:"+sem);
        }
}
```

File Edit View

```
package see;
import java.util.Scanner;
import cie.Student;
public class Externals extends Student
        Scanner sc = new Scanner(System.in);
        public int markarray[] = new int[5];
        public int finals[] = new int[5];
        public Externals()
                super();
        public void sgetd()
                super.getd();
        public void sdisp()
                super.disp();
        public void getd()
                Scanner sc = new Scanner (System.in);
                for(int i=0;i<5;i++)
                System.out.print("Enter Marks for subject "+(i+1)+" : ");
                markarray[i] = sc.nextInt();
                System.out.print("\n");
        public void disp()
                Scanner sc = new Scanner (System.in);
                System.out.print("Total Marks out of 50 : ");
                for(int i=0;i<5;i++)
```

```
compute();
System.out.println("Displaying all Student details: ");
dispdetails();
}
```

```
Enter no of students:
Enter USN:1
Enter Name:a
Enter Sem:1
Enter Internal Marks out of 50 : Enter Marks for subject 1 : 35
Enter Marks for subject 2: 36
Enter Marks for subject 3: 37
Enter Marks for subject 4:38
Enter Marks for subject 5 : 39
Enter Marks for subject 1: 41
Enter Marks for subject 2: 42
Enter Marks for subject 3: 43
Enter Marks for subject 4: 44
Enter Marks for subject 5: 45
Enter USN:2
Enter Name:b
Enter Sem: 2
Enter Internal Marks out of 50 : Enter Marks for subject 1 : 27
Enter Marks for subject 2 : 28
Enter Marks for subject 3: 29
Enter Marks for subject 4: 30
Enter Marks for subject 5: 31
Enter Marks for subject 1: 32
Enter Marks for subject 2: 33
```

```
Enter Marks for subject 3: 34
Enter Marks for subject 4: 35
Enter Marks for subject 5 : 36
Displaying all Student details:
USN:1
Name:a
Sem:1
Internal Marks out of 50 : Marks for subject 1 : 35
Marks for subject 2: 36
Marks for subject 3: 37
Marks for subject 4: 38
Marks for subject 5: 39
Total Marks out of 50 : Marks for subject 1 : 76
Marks for subject 2: 78
Marks for subject 3:80
Marks for subject 4:82
Marks for subject 5:84
USN:2
Name:b
Sem:2
Internal Marks out of 50 : Marks for subject 1 : 27
Marks for subject 2 : 28
Marks for subject 3: 29
Marks for subject 4: 30
```

Marks for subject 5 : 31

Total Marks out of 50 : Marks for subject 1 : 59

Marks for subject 2 : 61

Marks for subject 3 : 63

Marks for subject 4 : 65

Marks for subject 5 : 67

C:\Users\sammj\OneDrive\Desktop\JAVA LAB\lab 6>

A PAGE

6) Creak a backage CIE which has two classes fettown, and Inhrnals. The class Personal has members like um, name, sem the class enhrnals has an array kap stores the im inhrnal marks scored in fini whens of the current semester of the shident. Creak another backage SEE which has the class to thereal which is a durined class of Personal. This class has an array that stores set marks scored in fine courses of the current semester of the shident. Comport the two backages in a file that declares the final marks of a shident with all fine courses.

Puheruls gava

backage cie; unifort java util seeunus;

kubli class buhrrals

uit markarray [] = new uit [6];

public void getal()

dyshm. out. print (" finhr luhrnal Marks out g 10:");
for (uit i=0; i 15; i+t)

alyshm. out-print ("Guhi marks persubject" (i+1) +":")
neark array CiJ: Sc. neutlato

3

public void disp()

2 dystum. pid. print(" Ruhrnal marks out of 10:");

for Cuit i=0; i < 5; i+1)

dyshm out-println (" Marks for dubject " + (i+)" !"+
markavray (i);

	PAGE: DATE:
7:	Write a program that demonstrates handling of exceptions
	Enhimacks for dubject 2:36
	Enter marks for dubytet 8:37
	Entre marks for dubject 4:38
	Who macks for dubyie 1:39
	Boths toheral Marks out of 50: take marks for dubject 1:41
	fish marks for dubyet 2: 42
	Entre marks for subject 3:43
	Enhi marks for dubject 4: 44
	Enhi marks for subject 5: 48
	Entre USN. 2
	frihe Name: 8
	Entre dem: 2
	Enter Perhand Marks out of 10: Enter marks for dubject 1:27
	Guhe marks for dubject 2:28
	Enhi marks for subjet 3: 29
	Fishs marks for dubject 4: 38030
	Enha marks for subject 5: 3481
	fuhr tuhrnal Marks out of 50: tuhr mark of Subject 1:32
	Refleiging all 8tu 2:33
	3:34
	9:36
	8 : 34
	Rusplaying all shident details:
013	USN:
	Name a
	Jun:1
	Marks for aubject 1: 76
	2:71
1	3: 80
1	1. 83
	5:83
	120 Hillar & 200 in the markets bankin ach

		PAGE:
	U2N: 2 Name: b	Parkethell Will matter a state
	den: 2	
		Tag soil of the same
	Marks for subject 1:00	9 12 3 history to these title
	100 mingre 2 - 01	ELE AND EXERCISE PARAMETERS
	7 0	State of the second sec
-	t: 6	To as a product for the same of the same
EN.		P 12 tindus to aller uta
13		1 2 3 2 2 2 2 2 2 2 2
1		POLACU MANA SERVICE
-		# 100 A 100 A
	William Chi : Ol	Firs Perhand Made and go
		C. L. marks for Lubrish 2: 21
-	08.0	Color vesser has despite 3-2
	120	total falanas made out of
14	A PARTIE LAND AND AND	and the same of th